



Certificate No:
TAE00004RD

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Cable Ties

with type designation(s)
COLSTEEL

Issued to

ITW CONSTRUCTION PRODUCTS ITALY S.r.l.
Padova PD, PD, Italy

is found to comply with

DNV rules for classification – Ships, offshore units, and high speed and light craft

Application :

Product(s) approved by this certificate is/are accepted for installation on all vessels classed by DNV.

Material **Stainless steel**

Suitable for open deck **Yes**

Issued at **Høvik** on **2023-06-01**

This Certificate is valid until **2028-05-31**.

for **DNV**

DNV local unit: **Italy/Malta CMC**

Approval Engineer: **Marcin Tobiasz**

Frederik Tore Elter
Head of Section

This Certificate is subject to terms and conditions overleaf. Any significant change in design or construction may render this Certificate invalid.
The validity date relates to the Type Approval Certificate and not to the approval of equipment/systems installed.

LEGAL DISCLAIMER: Unless otherwise stated in the applicable contract with the holder of this document, or following from mandatory law, the liability of DNV AS, its parent companies and their subsidiaries as well as their officers, directors and employees ("DNV") arising from or in connection with the services rendered for the purpose of the issuance of this document or reliance thereon, whether in contract or in tort (including negligence), shall be limited to direct losses and under any circumstance be limited to 300,000 USD.



Name and place of manufacturer

CHENG HENG INDUSTRIAL CO., LTD
No. 586, Sec. 9, Xiangshang Rd., Wuqi, Taichung, Taiwan 43547

Product description

Type: Metallic Cable ties - COLSTEEL

Material: stainless steel 316

Type Code	Length [mm]	Width [mm]	Thickness [mm]	Diameter Range [mm]	Loop Tensile Strength [N]
6753	201	4.6	0.25	12.7 - 51	445
6756	266	4.6	0.25	12.7 - 69	445
6758	362	4.6	0.25	12.7 - 102	445
6760	521	4.6	0.25	12.7 - 152	445
6769	201	7.9	0.25	12.7 - 51	1112
6770	266	7.9	0.25	12.7 - 69	1112
6772	362	7.9	0.25	12.7 - 102	1112

Details according manufacturer's specification

Classification according to IEC 62275:

6.1 Material:	Metallic
6.2 Loop tensile strength:	Type 2: retains 100% strength after testing
6.3 Temperature:	Maximum operation temperature [°C]: +300°C Minimum operation temperature [°C]: -60°C Minimum installation temperature [°C]: -60°C
6.4 Contribution to fire:	Not necessary to declare
6.5.1 Resistance to UV light:	Not declared
6.5.2 Resistance to corrosion:	Resistant

Application/Limitation

For fixing of cables, outdoor and indoor, onboard ships and mobile offshore units.

To be installed according with the manufacturer's instructions and DNV rules.

Type Approval documentation

Tests carried out

Mandatory tests for metallic types according to type approval programme DNV-CP-0407 and IEC 62275 2018-08

Loop tensile strength for ties retaining 100% strength after testing.

Marking of product

The smallest package is to be marked with the following:

- Manufacturer's name / trade mark & catalogue type designation
- Dimensions
- Maximum bundle diameter
- Manufacturer's rated load (tensile strength) as per catalogue
- Temperature conditions
- Type of product

Periodical assessment

The scope of the periodical assessment is to verify that the conditions stipulated for the Type approval are complied with and that no alterations are made to the product design or choice of materials.

The main elements of the assessment are:

- Inspection on factory samples, selected at random from the production line (where practicable)
- Results from Routine Tests (RT) checked (if not available tests according to RT to be carried out)
- Review of type approval documentation
- Review of possible change in design, materials and performance



Job Id: **262.1-039280-1**
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- Ensuring traceability between manufacturer's product type marking and Type Approval Certificate.

Periodical assessment is to be performed after 2 years and after 3.5 years. A renewal assessment will be performed at renewal of the certificate.

END OF CERTIFICATE